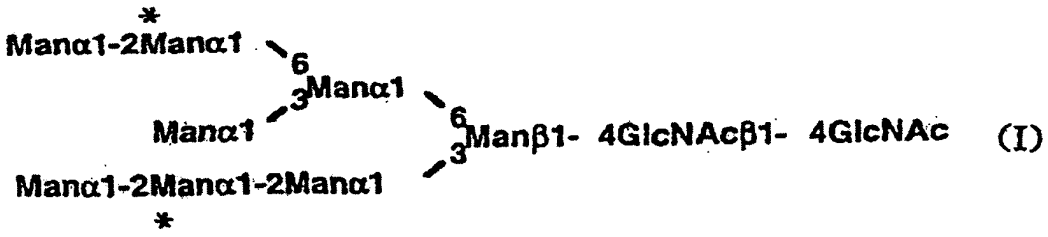
7. (Twice Amended) A process for producing an oligosaccharide, comprising the steps of:

culturing the yeast mutant according to claim 1 or 2 in a medium;

producing and accumulating a glycoprotein containing an oligosaccharide represented by formula (I):



(I)

wherein Man represents mannose, GlcNAc represents N-acetylglucosamine, and * represents a site capable of being phosphorylated, as an Asparagine-linked sugar chain, in the cultured product;

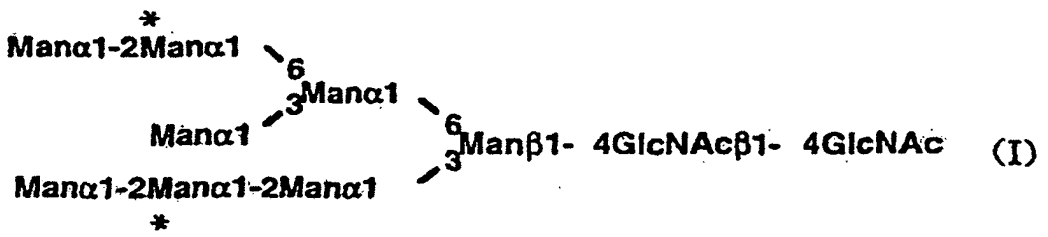
collecting the glycoprotein form the cultured product; and

recovering the oligosaccharide from the collected glycoprotein.

8. (Twice Amended) A process for producing a glycoprotein, comprising the steps of:

culturing the yeast mutant according to claim 1 or 2, in a medium;

producing and accumulating a glycoprotein containing an oligosaccharide represented by formula (I):



(I)

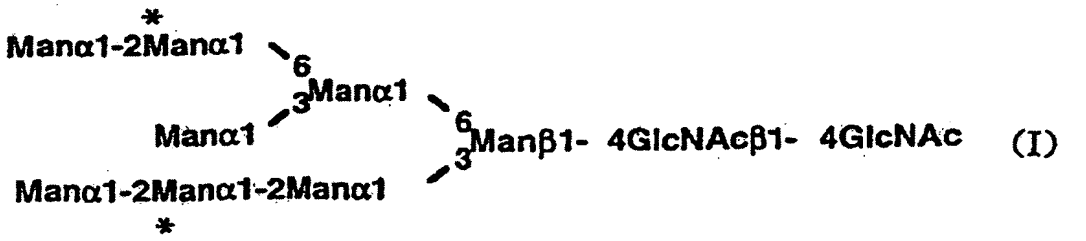
wherein Man represents mannose, GlcNAc represents N-acetylglucosamine, and * represents a site capable of being phosphorylated, as an Asparagine-linked sugar chain, in the cultured product; and

collecting the glycoprotein from the cultured product.

9. (Twice Amended) A process for producing a glycoprotein, comprising the steps of:

culturing the yeast mutant according to claim 1 or 2, which has been transformed with a recombinant plasmid containing a gene coding for a mammalian-derived Asparagine-linked glycoprotein in a medium;

producing and accumulating a glycoprotein containing an oligosaccharide represented by formula (I):



(I)

wherein Man represents mannose, GlcNAc represents N-acetylglucosamine, and * represents a site capable of being phosphorylated, as an Asparagine-linked sugar chain, in the cultured product; and

collecting the glycoprotein from the cultured product.

11. (Twice Amended) A yeast mutant in which at least one gene associated with biosynthesis of a mammalian type sugar chain is introduced into the yeast mutant according to claim 1 or 2.

12. (Twice Amended) A process for producing an oligosaccharide, comprising the steps of:

culturing the yeast mutant according to claim 10 in a medium;

producing and accumulating a glycoprotein containing an oligosaccharide as an Asparagine-linked sugar chain in the cultured product;

collecting the glycoprotein from the cultured product; and

recovering the oligosaccharide from the collected glycoprotein.

13. (Twice Amended) A process for producing a glycoprotein, comprising the steps of:

culturing the yeast mutant according to claim 10 in a medium;

producing and accumulating a glycoprotein containing an oligosaccharide as a Asparagine-linked sugar chain in the cultured product; and

collecting the glycoprotein from the cultured product.

14. (Twice Amended) A process for producing a glycoprotein, comprising the steps of:

culturing the yeast mutant according to claim 10, which has been transformed with a recombinant plasmid containing a gene coding for a mammalian-derived Asparagine-linked glycoprotein, in a medium;

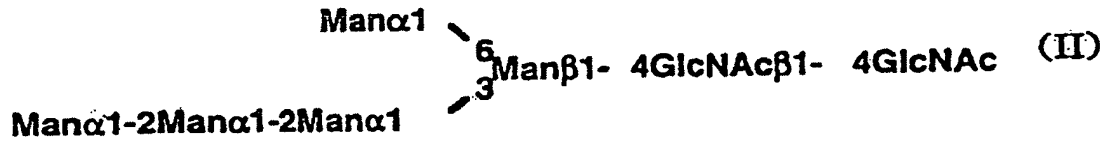
producing and accumulating a glycoprotein containing an oligosaccharide as an Asparagine-linked sugar chain in the cultured product; and

collecting the glycoprotein from the cultured product.

21. (Twice Amended) A process for producing an oligosaccharide, comprising the steps of:

culturing the yeast mutant according to claim 15 or 16 in a medium;

producing and accumulating a glycoprotein containing an oligosaccharide represented by formula (II):



(II)

wherein Man represents mannose and GlcNAc represents N-acetylglucosamine, as an Asparagine-linked sugar chain, in the cultured product;

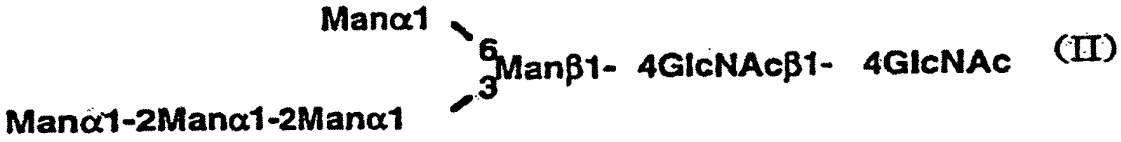
collecting the glycoprotein from the cultured product; and

recovering the oligosaccharide from the collected glycoprotein.

22. (Twice Amended) A process for producing a glycoprotein, comprising the steps of:

culturing the yeast mutant according to claim 15 or 16 in a medium;

producing and accumulating a glycoprotein containing an oligosaccharide represented by formula (II):



(II)

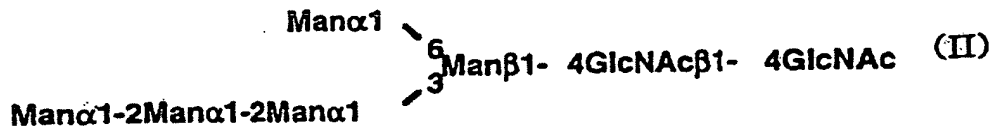
wherein Man represents mannose and GlcNAc represents N-acetylglucosamine, as an Asparagine-liked sugar chain, in the cultured product; and

collecting the glycoprotein from the cultured product.

23. (Once Amended) A process for producing a glycoprotein, comprising the steps of:

culturing the yeast mutant according to claim 15 or 16, that has been transformed with a recombinant plasmid containing a gene coding for a mammalian-derived Asparagine-linked glycoprotein, in a medium;

producing and accumulating a glycoprotein containing an oligosaccharide represented by formula (II):



(II)

wherein Man represents mannose and GlcNAc represents N-acetylglucosamine, as an Asparagine-linked sugar chain, in the cultured product; and

collecting the glycoprotein from the cultured product.

25. (Twice Amended) A yeast mutant in which at least one gene associated with biosynthesis of a mammalian type sugar chain is introduced into the yeast mutant according to claim 15 or 16.

26. (Twice Amended) A process for producing an oligosaccharide, comprising the steps of:

culturing the yeast mutant according to claim 24 in a medium;

producing and accumulating a glycoprotein containing an oligosaccharide as an Asparagine-linked sugar chain in the cultured product;

collecting the glycoprotein from the cultured product; and

recovering the oligosaccharide from the collected glycoprotein.

27. (Twice Amended) A process for producing a glycoprotein, comprising the steps of:

culturing the yeast mutant according to claim 24 in a medium;

producing and accumulating a glycoprotein containing an oligosaccharide as an Asparagine-linked sugar chain in the cultured product; and

collecting the glycoprotein from the cultured product.

28. (Twice Amended) A process for producing a glycoprotein, comprising the steps of:

culturing the yeast mutant according to claim 24, which has been transformed with a recombinant plasmid containing a gene coding for a mammalian-derived Asparagine-linked glycoprotein, in a medium;

producing and accumulating a glycoprotein containing an oligosaccharide as an Asparagine-linked sugar chain in the cultured product; and

collecting the glycoprotein from the cultured product.

33. (New) A process for producing an oligosaccharide, comprising the steps of:

culturing the yeast mutant according to claim 11 in a medium;

producing and accumulating a glycoprotein containing an oligosaccharide as an asparagine-linked sugar chain in the cultured product;

collecting the glycoprotein from the cultured product;

and

recovering the oligosaccharide from the collected glycoprotein.

34. (New) A process for producing a glycoprotein, comprising the steps of:

culturing the yeast mutant according to claim 11 in a medium;

producing and accumulating a glycoprotein containing an oligosaccharide as an asparagine-linked sugar chain in the cultured product; and

collecting the glycoprotein form the cultured product.

35. (New) A process for producing a glycoprotein, comprising the steps of:

culturing the yeast mutant according to claim 11, which has been transformed with a recombinant plasmid containing a gene coding for a mammalian-derived asparagine-linked glycoprotein, in a medium;

producing and accumulating a glycoprotein containing an oligosaccharide as an asparagine-linked sugar chain in the cultured product;

collecting the glycoprotein from the cultured product.

36. (New) A process for producing an oligosaccharide, comprising the steps of:

culturing the yeast mutant according to claim 25 in a medium;

producing and accumulating a glycoprotein containing an oligosaccharide as an asparagine-linked sugar chain in the cultured product;

collecting the glycoprotein from the cultured product;

and

recovering the oligosaccharide from the collected glycoprotein.

37. (New) A process for producing a glycoprotein, comprising the steps of:

culturing the yeast mutant according to claim 25 in a medium;

producing and accumulating a glycoprotein containing an oligosaccharide as an asparagine-linked sugar chain in the cultured product; and

collecting the glycoprotein from the cultured product.

38. (New) A process for producing a glycoprotein, comprising the steps of:

culturing the yeast mutant according to claim 25, which has been transformed with a recombinant plasmid containing a gene coding for a mammalian-derived asparagine-linked glycoprotein, in a medium;

producing and accumulating a glycoprotein containing an oligosaccharide as an asparagine-linked sugar chain in the cultured product; and

collecting the glycoprotein from the cultured product.